Dump Truck Tailgate Removal/Installation Procedures

Safe Operations

- **Accomplish during daylight hours**
- **Personnel should stay clear of pinch points :**
  - **Dump Truck**
  - **Forklift**
  - **Tailgate**

Personnel Certification

- **AF Form 483, Certificate of Competency**
- **Renewed every 3 years**
- **Required for Government Drivers License on Dump Truck**

Lesson Plan Procedures Overview

- **Personnel, Qualifications & Equipment Requirements**
- **Tailgate Removal**
- **Tailgate Installation**

Lesson Plan Procedures

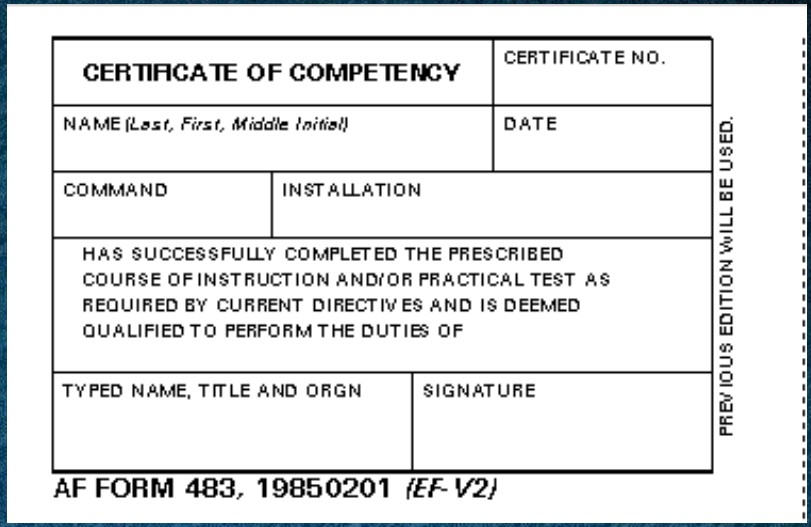
- **These procedures are applicable for most dump trucks (5-20 ton)**
- **The following lesson is demonstrated with a 10 ton dump truck**
- **If your truck does not have bottom pivot points and top hinge pins as illustrated check your owners manual and develop local procedures for removal/installation**
- **Be sure you use similar safety precautions identified in this lesson plan**

Lesson One
Personnel Requirements

- **Three people are required to accomplish this task:**
  - **Dump truck operator**
  - **Forklift operator**
  - **Spotter**

Personnel Qualifications

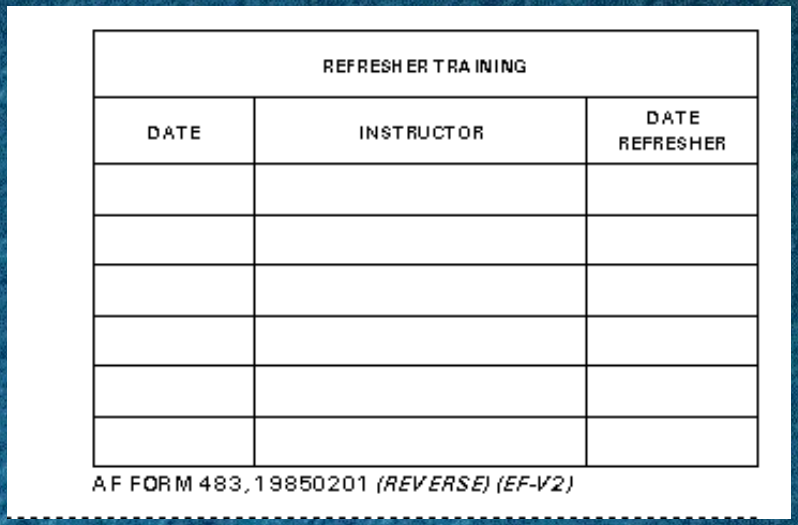
- **Operators qualified & licensed**
- **Thorough understanding of this lesson plan**



CERTIFICATE OF COMPETENCY	CERTIFICATE NO.
NAME *(Last, First, Middle Initial)*	DATE
COMMAND	INSTALLATION
HAS SUCCESSFULLY COMPLETED THE PRESCRIBED COURSE OF INSTRUCTION AND/OR PRACTICAL TEST AS REQUIRED BY CURRENT DIRECTIVES AND IS DEEMED QUALIFIED TO PERFORM THE DUTIES OF	
TYPED NAME, TITLE AND ORGN	SIGNATURE

PREVIOUS EDITION WILL BE USED.

AF FORM 483, 19850201 *(EF-V2)*



REFRESHER TRAINING		
DATE	INSTRUCTOR	DATE REFRESHER

AF FORM 483, 19850201 *(REVERSE) (EF-V2)*

Equipment/Tool Requirements

- **Dump Truck**
- **Forklift**
- **Hammer**
- **Punch**

Personal Protective Equipment Requirements

- **Hardhat**
- **Gloves**
- **Hearing Protection**
- **Steel Toe Boots**
- **Eye protection**

Lesson Two
Tailgate Removal

- **Reasons for tailgate removal:**
  - **Dump large bulky items**
  - **Spread materials**
  - **Install salt/sand spreader**

Step 1 – Operational Checks

Perform the operational checks on each vehicle using AF Form 1800/1806 as a checklist.

Step 2 = Safety/Operational Procedures Pre-Brief

- **Dump truck operator briefs:**
  - **Forklift operator**
  - **Spotter**

Step 3 – Remove Spreader Chains

- **Dump truck operator removes:**
  Left spreader chain
  Right spreader chain

THE TAILGATE MUST BE UPRIGHT, PINNED AND LOCKED BEFORE ATTEMPTING THIS STEP!

Step 4 – Tailgate Locking Lever

- **Dump truck operator ensures that the tailgate locking lever is in the closed/locked position**

Step 5 – Position the Forklift

- **Center forks:**

  12 inches below top of tailgate

Eight inches away from tailgate

Step 6 – Remove Tailgate Pivot Pins

- **Pull retainer/cotter pin**
- **Tap out the hinge pin (eye protection required)**

Step 7 – Push Tailgate

- **Push at the top of tailgate so it moves away from the bed**
- **Let the tailgate freefall onto the forklift tines**

THE DUMP TRUCK OPERATOR MUST MOVE SAFELY AWAY FROM THE TAILGATE AFTER PERFORMING THIS PROCEDURE!

Step 8 – Exit Truck Bed

- **Use ladder to exit bed**

CAUTION

ENSURE PERSONNEL ARE SAFELY AWAY FROM TAILGATE DURING STEPS 9 TO 12.

TAILGATE COULD QUICKLY SLAM BACK TO DUMP TRUCK WHEN FORKLIFT IS MOVED.

CAUTION

IF PROBLEMS ARE ENCOUNTERED, THE OPERATIONS WILL STOP!

THE DUMP TRUCK OPERATOR, SPOTTER, AND FORKLIFT OPERATOR WILL EVALUATE SAFETY PRECAUTIONS AND DEVELOP A PLAN BEFORE RESUMING OPERATIONS

Step 9 – Level Forks

- **Lower and level forks until tailgate becomes even with bed of truck**

Step 10 – Support the Tailgate

- **Adjust forks: Move forklift forward or backwards to fully support tailgate**

TAILGATE COULD RAPIDLY SLAM AGAINST THE TRUCK

Step 11 – Tailgate Locking Lever

- **Dump truck operator release tailgate locking lever**

Step 12 – Tailgate Removal

- ***Lower* the tailgate *and move it* safely away from the**

- **Place the tailgate on dunnage material and**

Step 13 – Hinge Pins

- **Raise tailgate locking lever to the closed *and locked* position**

Lesson Three
Tailgate Installation

Step 1 – Operational Checks

Perform the operational checks on each vehicle using AF Form 1800/1806 as a checklist.

Step 2 = Safety/Operational Procedures Pre-Brief

- **Dump truck operator briefs:**
  - **Forklift operator**
  - **Spotter**

Step 3 – Remove Tailgate Pins

- **Pull retainer/cotter pin**
- **Tap out the hinge pin (eye protection must me worn if there is use of a hammer and punch)**

Step 4 – Place Tailgate on Forks

- **Direct the forks under tailgate**

Step 4 – Place Tailgate on Forks (cont.)

- **Ensure bottom of the tailgate is:**

  Facing away from the forklift *backrack or headache* rack

  Forks *should not* protrude past lower *bottom* edge of the tailgate

Step 5 – Tailgate Locking Lever

- **Dump truck operator releases the tailgate locking lever**

CAUTION

ENSURE PERSONNEL ARE SAFELY AWAY FROM TAILGATE DURING STEPS 6 TO 12.

TAILGATE COULD QUICKLY SLAM BACK TO DUMP TRUCK WHEN FORKLIFT IS MOVED.

CAUTION

IF PROBLEMS ARE ENCOUNTERED, THE OPERATIONS WILL STOP!

THE DUMP TRUCK OPERATOR, SPOTTER, AND FORKLIFT OPERATOR WILL EVALUATE SAFETY PRECAUTIONS AND DEVELOP A PLAN BEFORE RESUMING OPERATIONS!

Step 6 – Move Tailgate to Dump Truck

- **Spotter directs forklift to rear of dump truc**

Step 7 – Position Tailgate on Dump Truck

- **Carefully *position the lower tailgate* pivot pins into the dump truck *bed*'s tailgate saddles**

Step 8 – Tailgate Locking Lever

- **Dump truck operator raises the tailgate locking lever to the closed *and* locked position**

Step 9 – Position Forklift for Raising Tailgate

- **Spot the forklift back until forks are 12 to 16 inches from the top *edge* of tailgate**

Step 10 – Raise Tailgate

- **Forklift operator begins to slowly raise the tailgate**
- **Tilt the forks over at a 45 degree angle as you raise the tailgate**

TAILGATE COULD SLAM BACK UP TO THE TRUCK.

Step 11 – Continue to Raise Tailgate

- **Forklift operator slowly moves forward, as required, and continues to raise the tailgate**

TAILGATE COULD SLAM BACK UP TO THE TRUCK.

Step 12 – Finish Raising the Tailgate

- **Repeat steps 10 and 11 until tailgate is in the full upright position**

TAILGATE COULD SLAM BACK UP TO THE TRUCK.

Step 13 – Install Tailgate Pivot Pins

- **Install hinge pin**
- **Install the retainer/cotter pin**

Step 14 – Move Forklift Away from Dump Truck

Step 15 –Dump Truck Operator Exits Bed

Step 16 – Install & Adjust Spreader Chains

- **Dump truck operator installs and adjusts both spreader chains**

TRAINING VALIDATION

See Unit Training Manager

to Take CerTest # 8175.

80% or greater required for certification.

Print passing CerTest result and take to

VCO/VCNCO or unit designated POC for

issue of AF Form 483.

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